

TITLE: METHOD AND APPARATUS FOR FORMING PRINTED CIRCUIT BOARDS USING IMPRINTING AND GRINDING INVENTORS NAME: David P. McConville et al.

SERIAL NO.: 10/612705

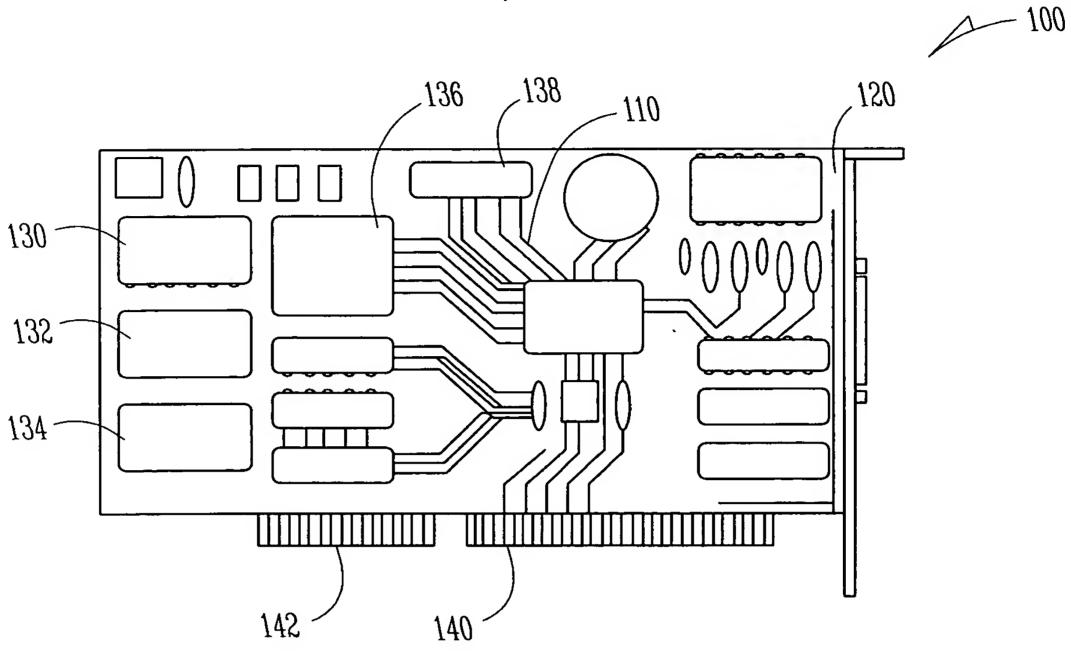
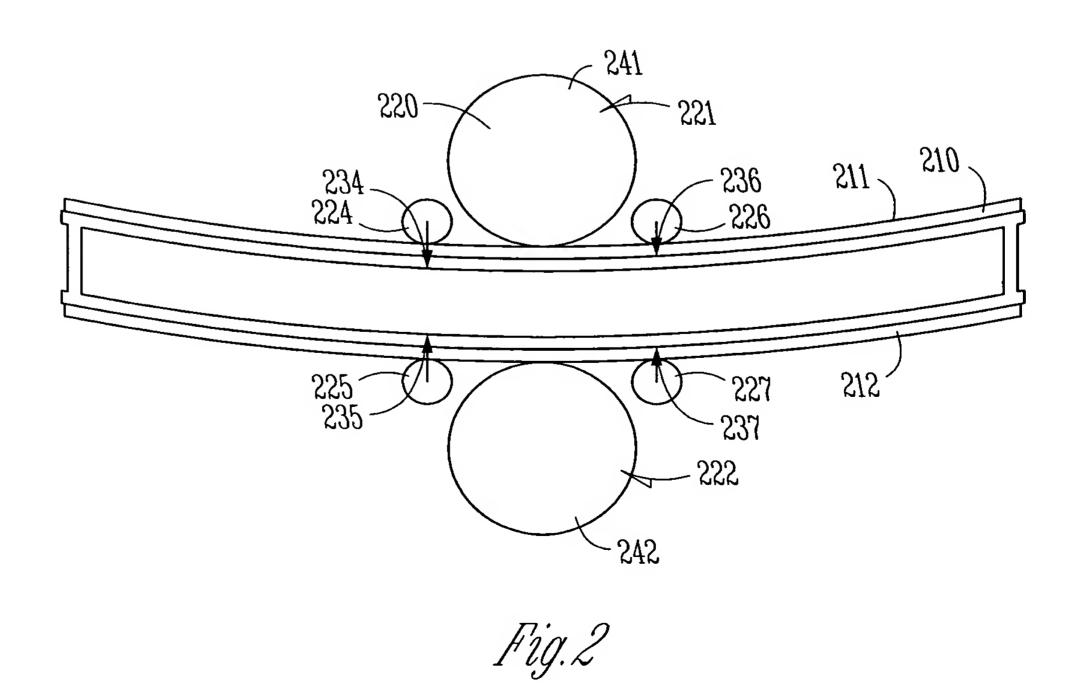


Fig. 1



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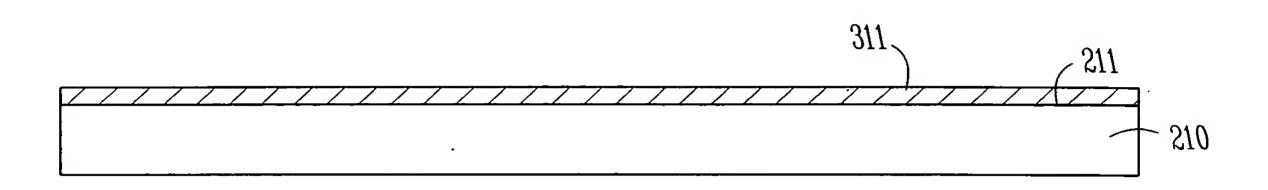


Fig. 3

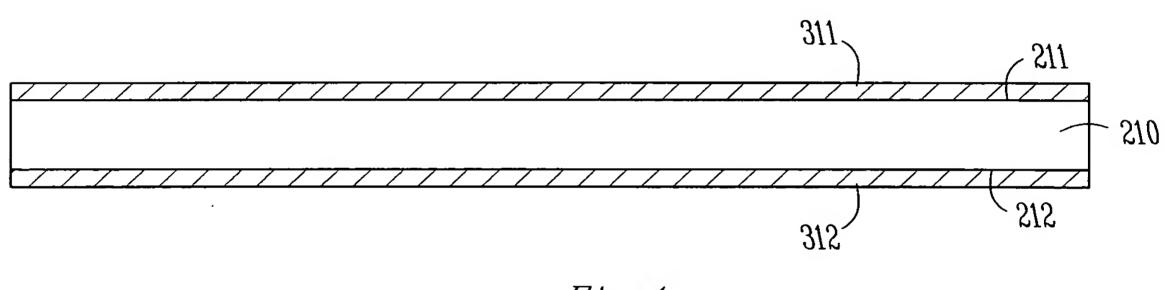
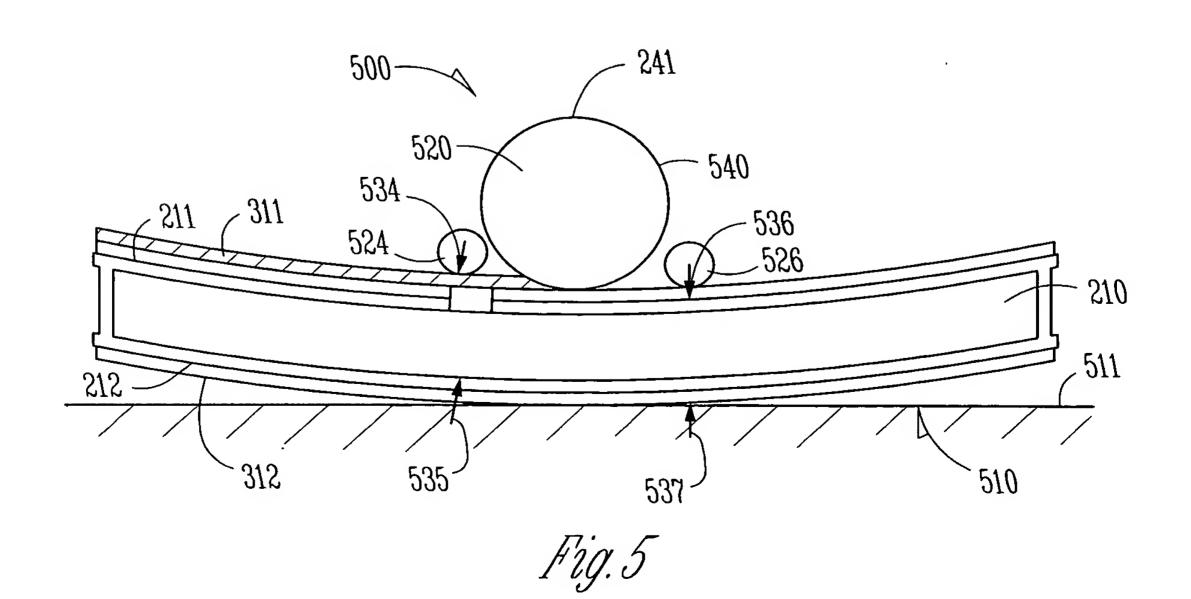
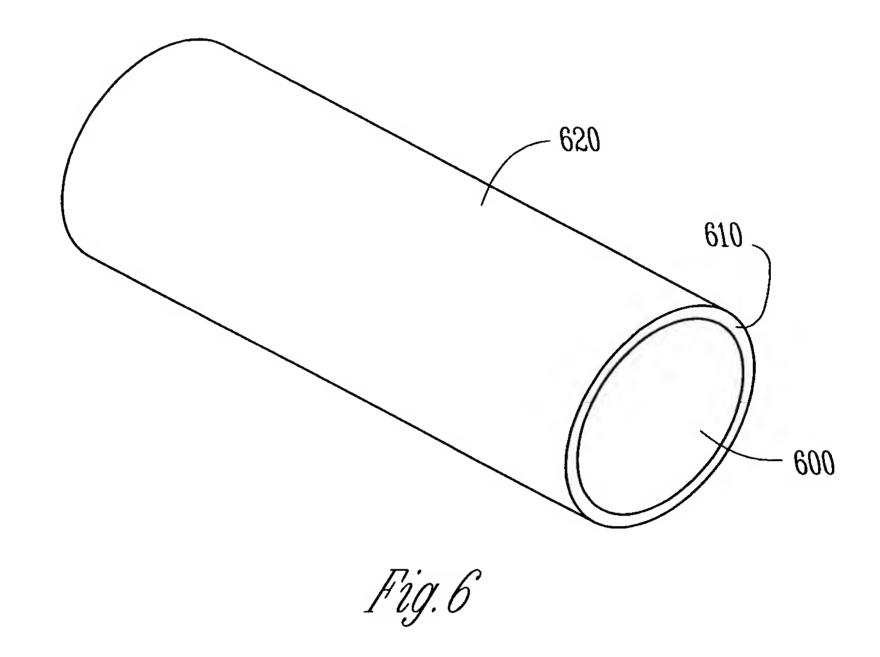


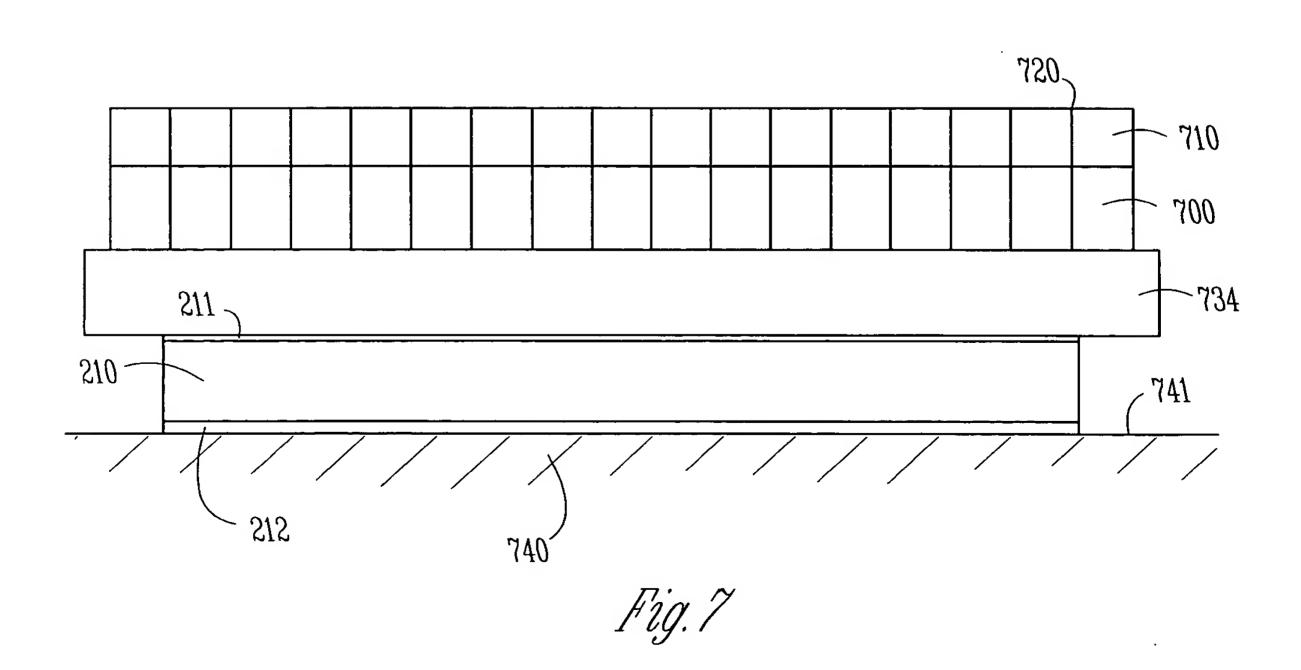
Fig. 4



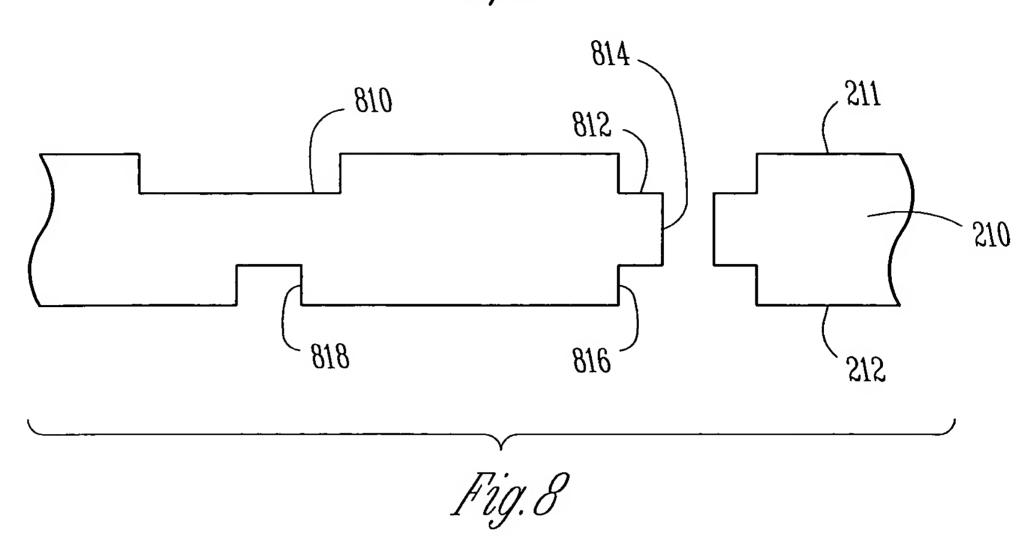
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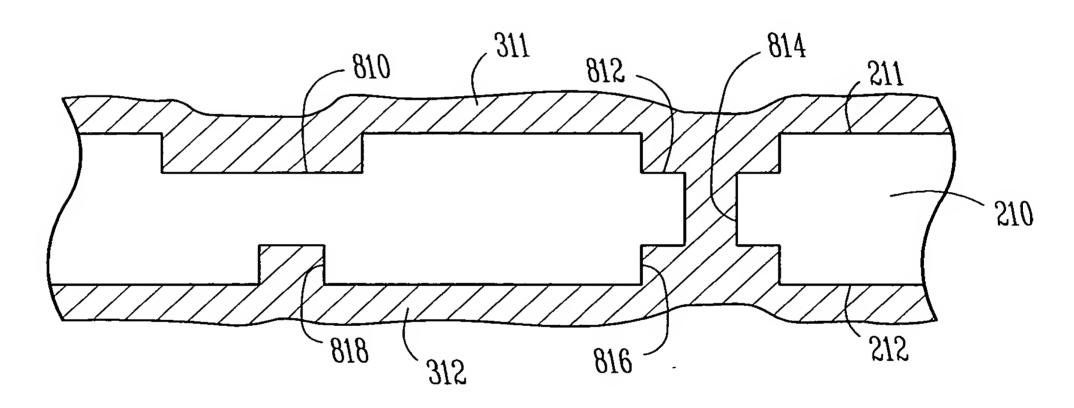
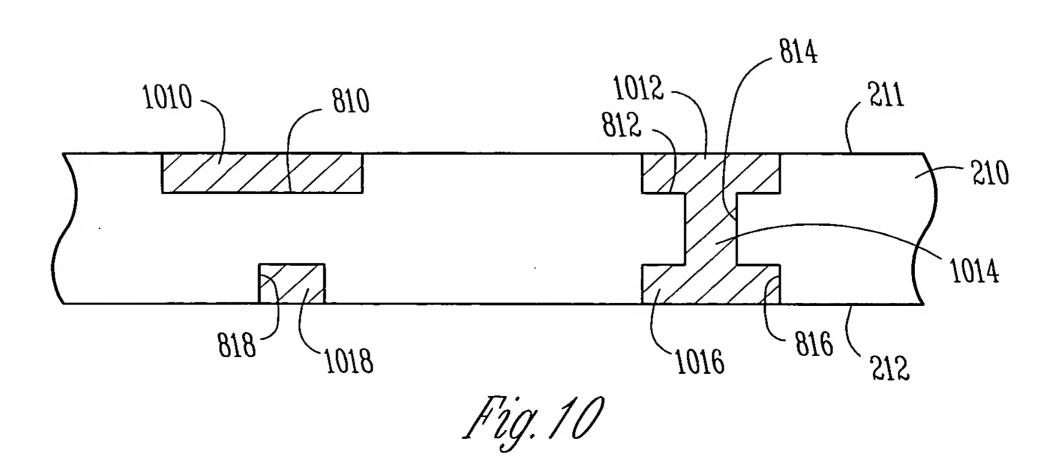
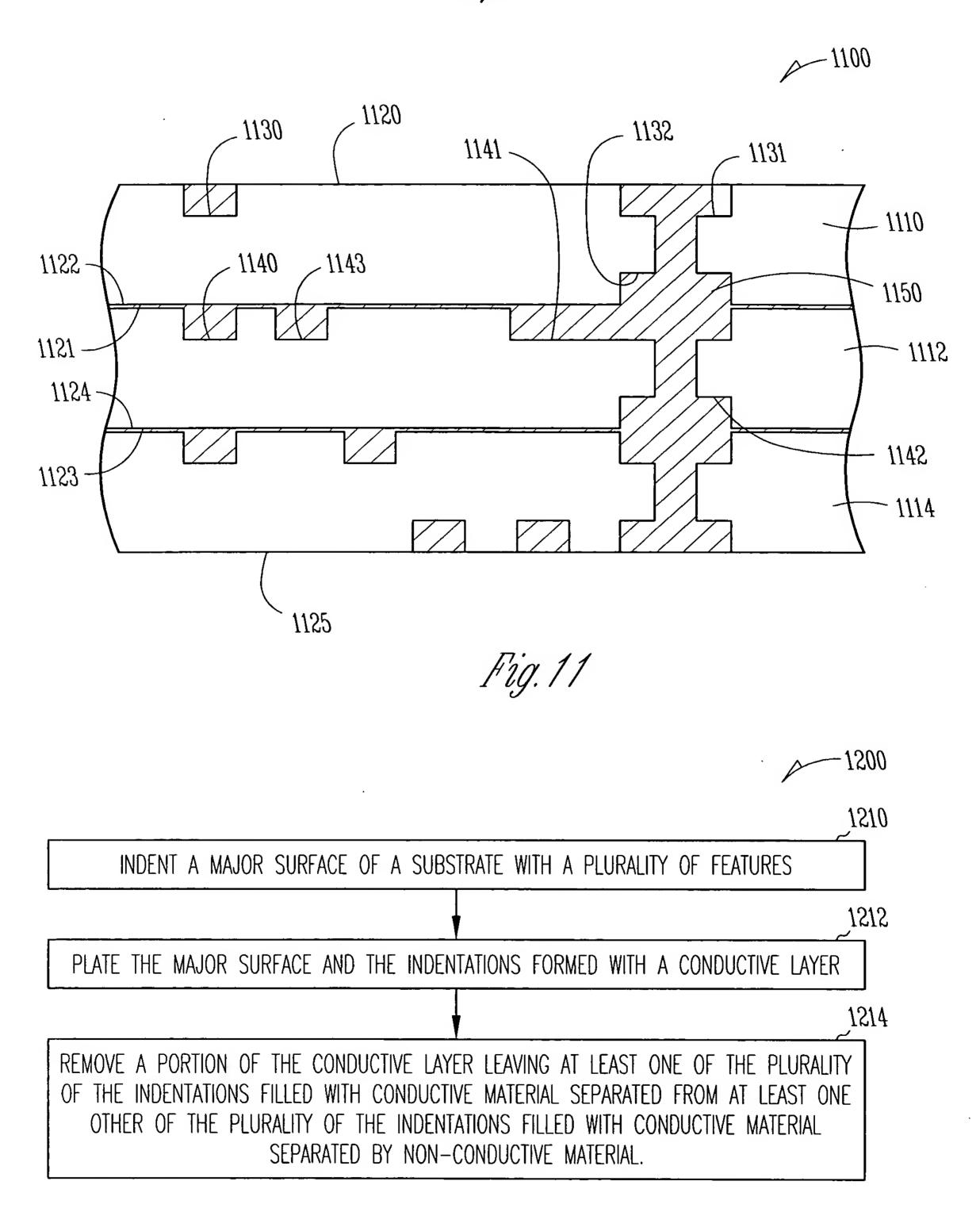


Fig. 9



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1300 1310 INDENT A FIRST MAJOR SURFACE OF A FIRST SUBSTRATE WITH A PLURALITY OF FEATURES 1312 INDENT A SECOND MAJOR SURFACE OF A FIRST SUBSTRATE WITH A SECOND PLURALITY OF FEATURES 1314 PLATE THE FIRST MAJOR SURFACE AND THE INDENTATIONS FORMED IN THE FIRST MAJOR SURFACE WITH A CONDUCTIVE LAYER 1316 PLATE THE SECOND MAJOR SURFACE AND THE INDENTATIONS FORMED IN THE SECOND MAJOR SURFACE WITH A CONDUCTIVE LAYER 1318 REMOVE A PORTION OF THE CONDUCTIVE LAYER ON THE FIRST MAJOR SURFACE LEAVING AT LEAST ONE OF THE PLURALITY OF THE INDENTATIONS IN THE FIRST MAJOR SURFACE FILLED WITH CONDUCTIVE MATERIAL SEPARATED FROM AT LEAST ONE OTHER OF THE PLURALITY OF THE INDENTATIONS IN THE FIRST MAJOR SURFACE FILLED WITH CONDUCTIVE MATERIAL SEPARATED BY NON-CONDUCTIVE MATERIAL 1320 REMOVE A PORTION OF THE CONDUCTIVE LAYER ON THE SECOND MAJOR SURFACE LEAVING AT LEAST ONE OF THE PLURALITY OF THE INDENTATIONS IN THE SECOND MAJOR SURFACE FILLED WITH CONDUCTIVE MATERIAL SEPARATED FROM AT LEAST ONE OTHER OF THE PLURALITY OF THE INDENTATIONS IN THE SECOND MAJOR SURFACE FILLED WITH CONDUCTIVE MATERIAL SEPARATED BY NON-CONDUCTIVE MATERIAL

Fig. 13

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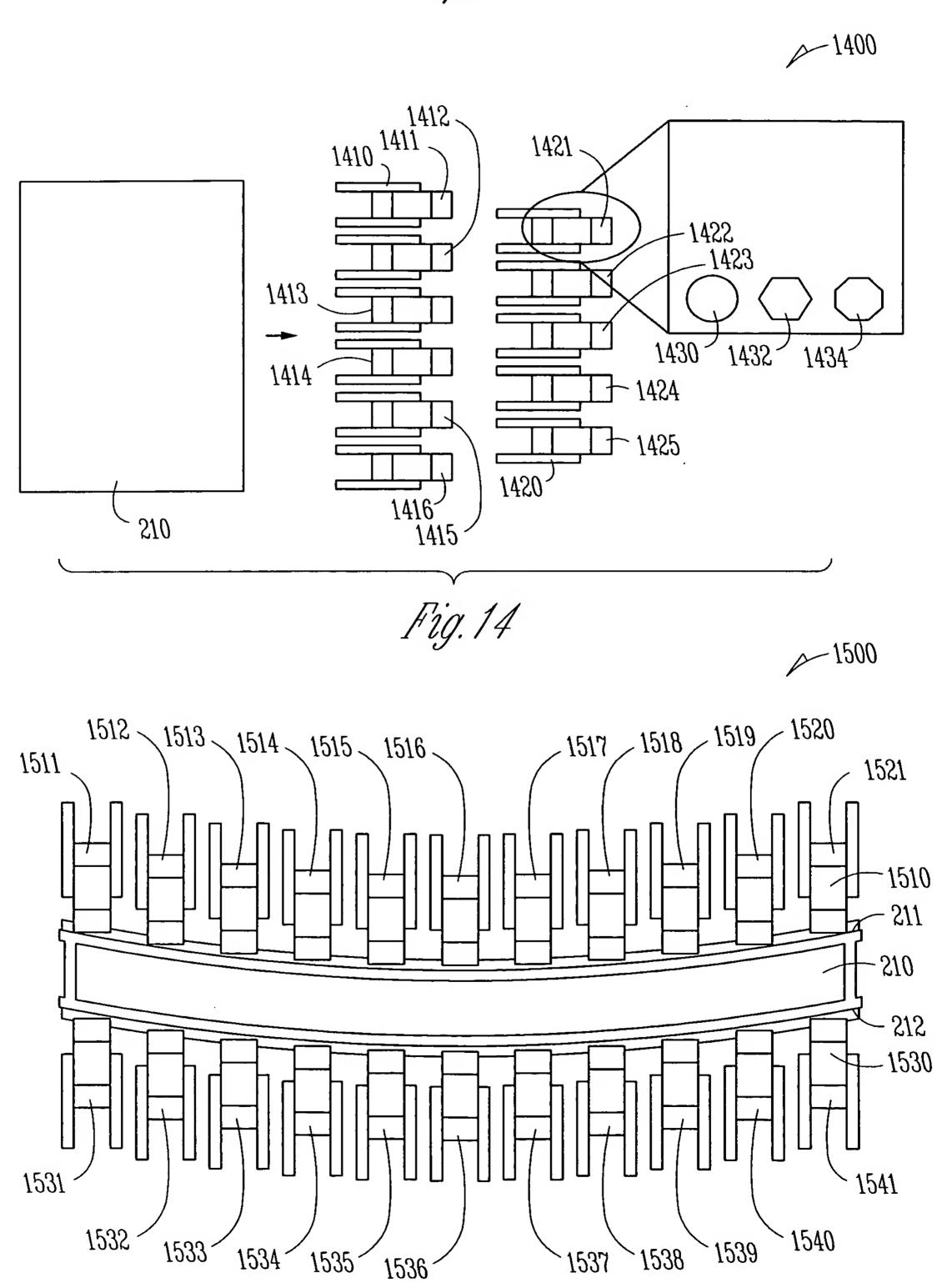
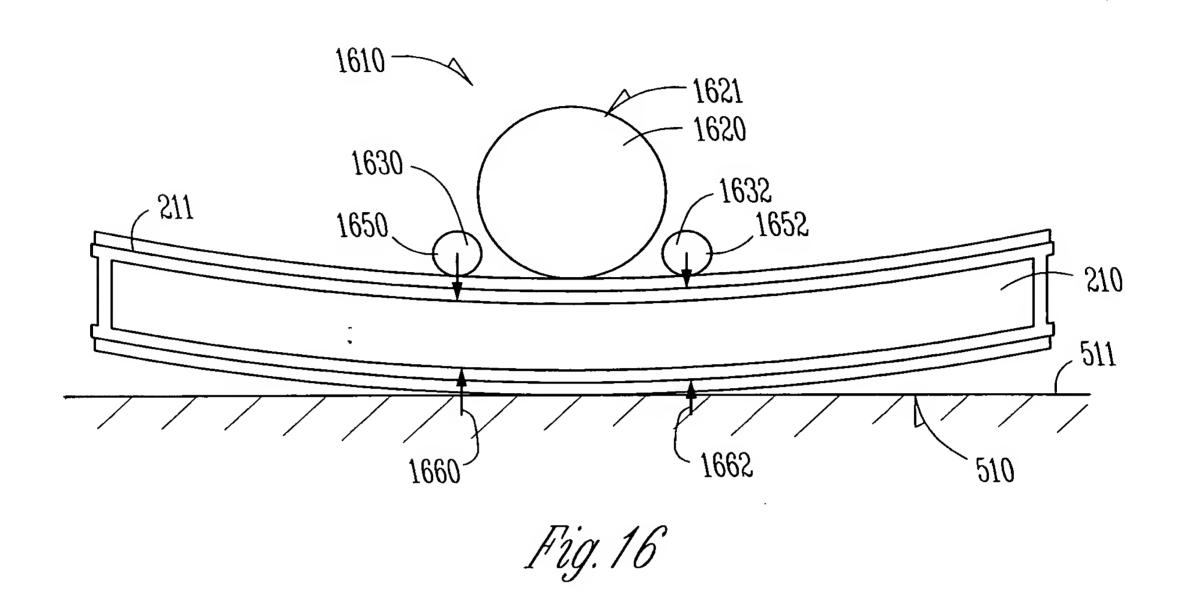


Fig. 15

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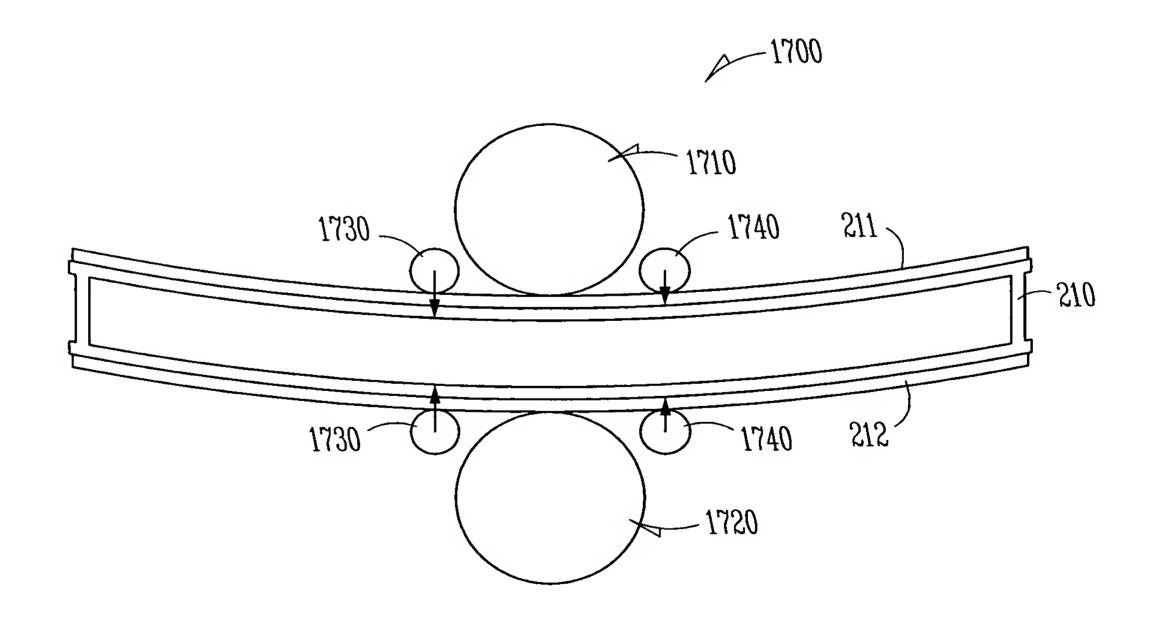


Fig. 17

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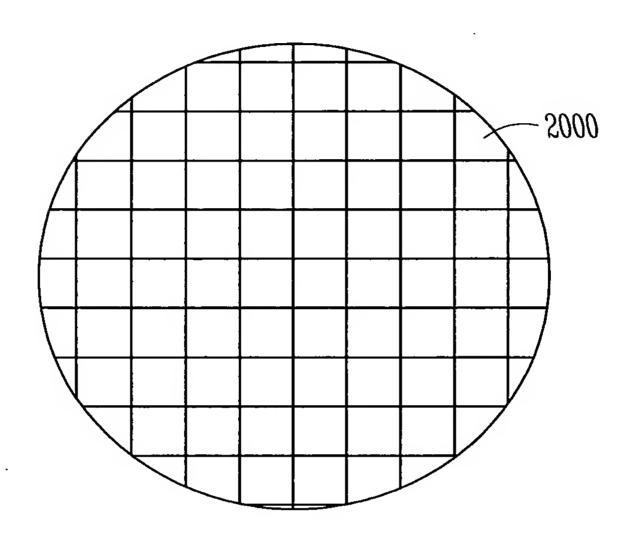


Fig.20

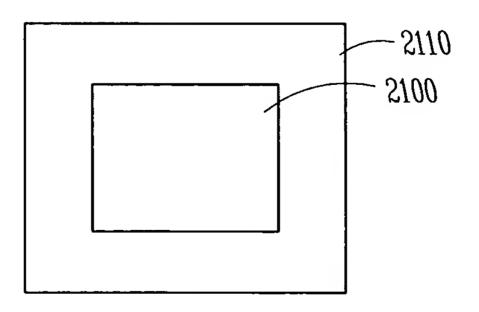


Fig. 21

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